## INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/009962

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:  1. Claims Nos.:  because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.:  because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
1. The invention in which a tubular blank is placed inside a rotating frame and a forming blade is pressed to be in contact with the inner diameter side of a tubular-blank peripheral wall (novel).  2. The invention in which a tubular blank is placed outside a rotating frame and a forming blade is pressed to be in contact with the outer diameter side of a tubular-blank peripheral wall (not novel).
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/009962

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> B21D15/06, 22/16, 51/12, B60B21/00, 21/12, B60C17/04				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)  Int.Cl <sup>7</sup> B21D15/00, 15/04-15/06, 22/14-22/18, B21D51/00-51/54,  B60B21/00, 21/12, B60C17/04				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Jitsuyo Shinan Koho 1926—1996 Jitsuyo Shinan Toroku Koho 1996—2004 Kokai Jitsuyo Shinan Koho 1971—2004 Toroku Jitsuyo Shinan Koho 1994—2004				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.	).			
X Microfilm of the specification and drawings Y annexed to the request of Japanese Utility Model Application No. 151135/1985(Laid-open No. 61321/1987) (Mineji TANAKA),				
16 April, 1987 (16.04.87), Claims; page 5, line 14 to page 6, line 9; page 7, line 15 to page 8, line 12; Figs. 1 to 3 (Family: none)				
Y JP 2002-282949 A (Toyoda Machine Works, Ltd.), 02 October, 2002 (02.10.02), Claims; Figs. 1 to 2 (Family: none)				
Further documents are listed in the continuation of Box C. See patent family annex.				
"A" document defining the general state of the art which is not considered to be of particular relevance date and not in conflict with the application but cited to understand the principle or theory underlying the invention	date and not in conflict with the application but cited to understand the principle or theory underlying the invention			
filing date considered novel or cannot be considered to involve an inventiv	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone			
cited to establish the publication date of another citation or other  "Y" document of particular relevance; the claimed invention cannot be				
constacted to involve an inventive step when the document is	•			
Date of the actual completion of the international search 07 October, 2004 (07.10.04)  Date of mailing of the international search report 26 October, 2004 (26.10.04)				
Name and mailing address of the ISA/  Japanese Patent Office  Authorized officer				
Facsimile No. Telephone No.				

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## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/009962

C (Continuation	). DOCUMENTS CONSIDERED TO BE RELEVANT	.0047009962
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 6-190477 A (Hiraoka Kinzoku Kogyo Kabushiki Kaisha), 12 July, 1994 (12.07.94), Claims; page 3, lower left column, lines 2 to 4; Figs. 1 to 8 (Family: none)	1,4-9,14
A	JP 9-276967 A (Kabushiki Kaisha Kubota Tekkosho), 28 October, 1997 (28.10.97), Claims; Figs. 8 to 10 (Family: none)	1,4-9,14
A	JP 57-184534 A (Goshi Kaisha Kanemitsu Doko Yosetsusho), 13 November, 1982 (13.11.82), Claims; page 4, upper left column, line 3 to lower left column, line 1; Figs. 1 to 10 (Family: none)	6,7
<b>A</b>	JP 1-166826 A (Jun'ichi KATAYAMA), 30 June, 1989 (30.06.89), Claims; Figs. 1 to 4 (Family: none)	1-3
A	JP 9-201625 A (Denso Corp., Denso Kiko Kabushiki Kaisha), 05 August, 1997 (05.08.97), Claims; Figs. 1 to 12 (Family: none)	1-3
P,A	JP 2004-66284 A (Bridgestone Corp.), 04 March, 2004 (04.03.04), Claims; Figs. 1 to 10 (Family: none)	13,18
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